

## FlowCal™, FlowCal+™ Automatic Balancing Valves

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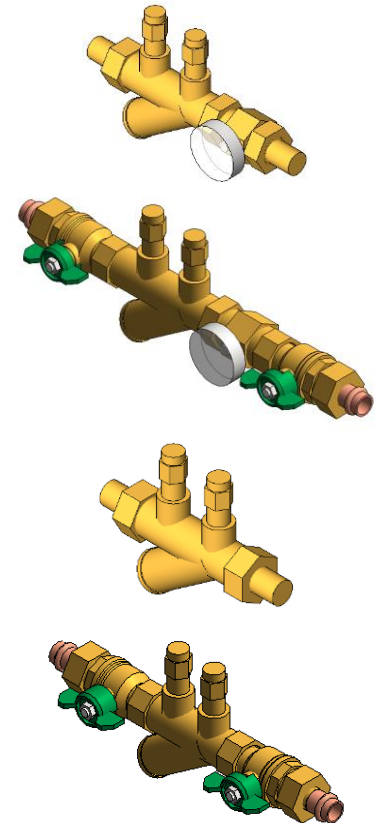
128AF, 128AFC Series

### Revit Content Instructions Guide

<b>Manufacturer &amp; Product:</b>	Caleffi FlowCal+ 128AFC and FlowCal 128AF
<b>Files:</b>	<i>Valve-Balancing-Caleffi-FlowCal+-128AFC.rfa</i> <i>Valve-Balancing-Caleffi-FlowCal-128AF.rfa</i>
<b>Type Catalogs:</b>	<i>Valve-Balancing-Caleffi-FlowCal+-128AFC.txt</i> <i>Valve-Balancing-Caleffi-FlowCal-128AF.txt</i>
<b>Rendering file:</b>	Not Applicable
<b>Schedule file:</b>	Not Applicable

**These families contain the following main variations or types:**

- 0.5in. MNPT\_128440AFC w/ Temperature Gauge
- 0.5in. MNPT\_128441AFC
- 0.5in. Press\_128447AFC w/ Temperature Gauge
- 0.5in. Press\_128446AFC
- 0.5in. Sweat\_128448AFC w/ Temperature Gauge
- 0.5in. Sweat\_128449AFC
- 0.75in. MNPT\_128450AFC w/ Temperature Gauge
- 0.75in. MNPT\_128451AFC
- 0.75in. Press\_128457AFC w/ Temperature Gauge
- 0.75in. Press\_128456AFC
- 0.75in. Sweat\_128458AFC w/ Temperature Gauge
- 0.75in. Sweat\_128459AFC
- 1in. MNPT\_128460AFC w/ Temperature Gauge
- 1in. MNPT\_128461AFC
- 1in. Press\_128467AFC w/ Temperature Gauge
- 1in. Press\_128466AFC
- 1in. Sweat\_128468AFC w/ Temperature Gauge
- 1in. Sweat\_128469AFC
- 0.5in. PEX Expansion\_128443AFC w/ Temperature Gauge
- 0.5in. PEX Expansion\_128442AFC
- 0.5in. PEX Crimp\_128445AFC w/ Temperature Gauge
- 0.5in. PEX Crimp\_128444AFC
- 0.75in. PEX Expansion\_128453AFC w/ Temperature Gauge
- 0.75in. PEX Expansion\_128452AFC
- 0.75in. PEX Crimp\_128455AFC w/ Temperature Gauge
- 0.75in. PEX Crimp\_128454AFC
- 1in. PEX Expansion\_128463AFC w/ Temperature Gauge
- 1in. PEX Expansion\_128462AFC
- 1in. PEX Crimp\_128465AFC w/ Temperature Gauge
- 1in. PEX Crimp\_128464AFC
- 0.5in. MNPT\_128541AF
- 0.5in. Press\_128546AF
- 0.5in. Sweat\_128549AF
- 0.5in. PEX Expansion\_128542AF
- 0.5in. PEX Crimp\_128544AF
- 0.75in. MNPT\_128551AF
- 0.75in. Press\_128556AF
- 0.75in. PEX Expansion\_128552AF



- 0.75in. PEX Crimp\_128554AF
- 0.75in. Sweat\_128559AF
- 1in. MNPT\_128561AF
- 1in. Press\_128566AF
- 1in. Sweat\_128569AF
- 1in. PEX Expansion\_128562AF
- 1in. PEX Crimp\_128564AF

## Instance Properties

Here is a curated list of notable parameters for the Revit user within the Caleffi FlowCal+ 128AFC and FlowCal 128AF families.

Construction	
► Isolation Valve on Inlet	This controls visibility of the isolation valve on the inlet.
► Isolation Valve on Inlet Stem Extension	This controls visibility of the isolation valve stem extension on the inlet.
► Isolation Valve on Outlet	This controls visibility of the isolation valve on the outlet.
► Isolation Valve on Outlet Stem Extension	This controls visibility of the isolation valve stem extension on the outlet.
Mechanical - Flow	
▼ Desired Flow Rate Selection (default)	Select the desired fixed flow rate.
1. 0.35 GPM	
2. 0.50 GPM	
3. 0.75 GPM	
4. 1.00 GPM	
5. 1.30 GPM	
6. 1.50 GPM	
7. 1.75 GPM	
8. 2.00 GPM	
9. 2.20 GPM	
10. 2.50 GPM	
11. 2.60 GPM	
12. 3.00 GPM	
13. 3.50 GPM	
14. 4.00 GPM	
15. 4.50 GPM	
16. 5.00 GPM	
17. 6.00 GPM	
18. 7.00 GPM	
19. 8.00 GPM	
20. 9.00 GPM	
21. 10.00 GPM	
Mechanical - Loads	
Pressure Drop Feet of Water	Specify the pressure drop in feet of water.
System Pressure Drop	This tells you the system pressure drop.

## Type Properties

Here is a curated list of notable parameters for the Revit user within the Caleffi FlowCal+ 128AFC and FlowCal 128AF families.

128AFC FlowCal+

Materials	
Body Material	Metal - Caleffi - Brass
Fitting Material	Metal - Caleffi - Brass, Metal - Caleffi - Copper
Identity Data	
Assembly Code	D2090800
Contact URL*	<a href="https://www.caleffi.com/usa/en-us/contacts/contact-us">https://www.caleffi.com/usa/en-us/contacts/contact-us</a>
Copyright*	©Caleffi North America
Cost	
Description	128 FlowCal+ Series Union Y Body Automatic Balancing Valve
Family Version*	1
Keynote	
Manufacturer	Caleffi North America, Inc.
Model	128541AFC
Manufacturer Complete Model Number	128541AFC G35
Product Page URL*	<a href="https://www.caleffi.com/en-us/products/balancing-valves/dynamic/flowcaltm-y-body">https://www.caleffi.com/en-us/products/balancing-valves/dynamic/flowcaltm-y-body</a>

Type Comments	
Type Image	
Series*	FlowCal+ 128AFC Series
Standards*	NSF/ANSI/CAN 372; S.3874; Vermont Act 193; Maryland's Lead Free Law;Reduction of Lead in Drinking Water Act - California Health and Safety Code 116875
URL	http://www.caleffi.com/usa/en-us

### 128AF FlowCal

Materials	
Body Material	Metal - Caleffi - Brass
Fitting Material	Metal - Caleffi – Brass, Metal - Caleffi - Copper
Identity Data	
Assembly Code	D2090800
Contact URL*	https://www.caleffi.com/usa/en-us/contacts/contact-us
Copyright*	©Caleffi North America
Cost	
Description	128 FlowCal Series Union Y-Strainer Body Automatic Balancing Valve
Family Version*	1
Keynote	
Manufacturer	Caleffi North America, Inc.
Model	128546AF
Manufacturer Complete Model Number	128546AF G35
Product Page URL*	https://www.caleffi.com/en-us/y-body-automatic-balancing-valves-128-caleffi-128541af
Type Comments	
Type Image	
Series*	FlowCal 128AF Series
Standards*	NSF/ANSI/CAN 372; S.3874; Vermont Act 193; Maryland's Lead-Free Law; Reduction of Lead in Drinking Water Act - California Health and Safety Code 116875
URL	http://www.caleffi.com/usa/en-us

Half-tone text in the property tables indicates that the value is locked from editing.

\*Indicates Shared Parameter and can be scheduled

## Rendering

Note: Standard Caleffi materials are imported. These may be modified, but please ensure that the modification selection matches an actual manufacturer supplied option.

## Loading and Placing into the Project

To work with the Caleffi FlowCal+ 128AFC and FlowCal 128AF in Revit, multiple families and variations within type catalogs are provided. Navigate to the Insert Tab > Load Family button on the Revit ribbon to load the family. Be sure the type catalog (.txt) file is located in the same folder as the family you are loading.

Please ensure that the visibility settings within the project are modified to have the Piping category visible.

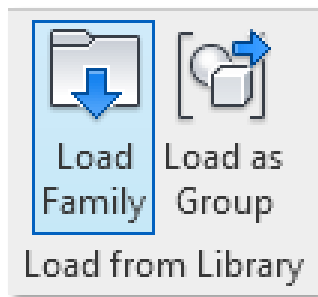


Figure 1 - Insert Tab > Load Family

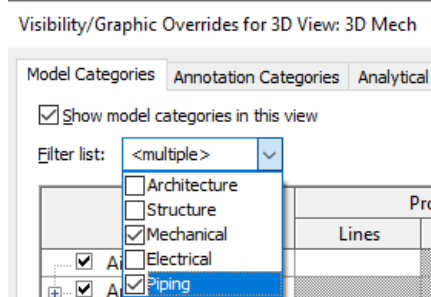


Figure 2 - Visibility/Graphic Overrides

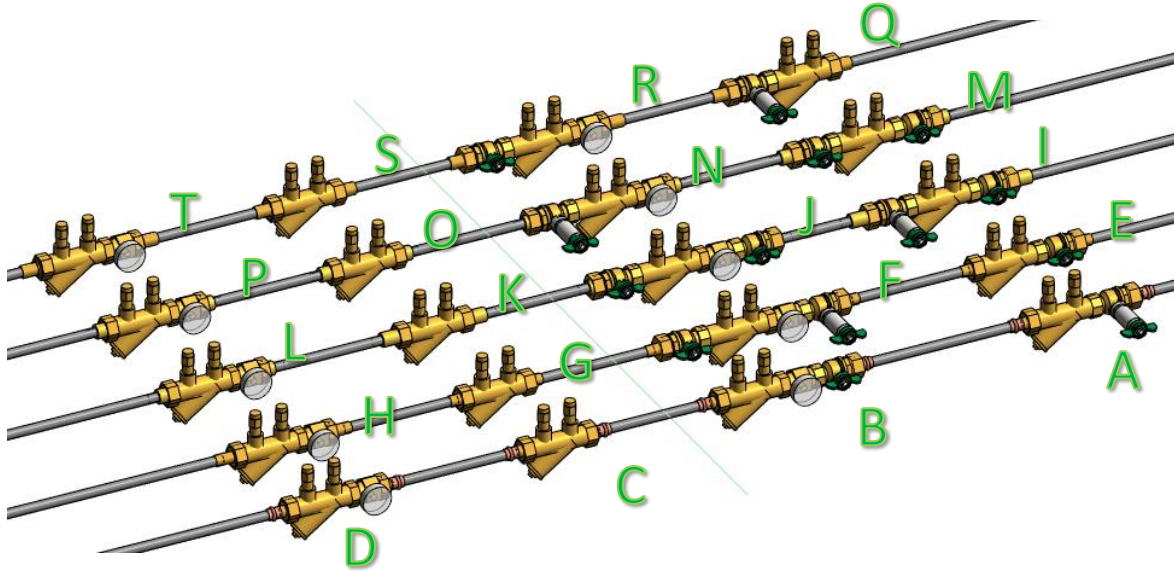


Figure 3 - Caleffi FlowCal+ 128AFC and FlowCal 128AF

FlowCal+ with Press tailpiece

- A. with 290031 valve with stem extension on outlet
- B. with temperature gauge with 290030 valve on outlet
- C. without temperature gauge
- D. with temperature gauge

Flowcal+ with Sweat tailpiece

- E. with 290030 valve on outlet
- F. with 290030 valve on inlet and 290031 on outlet (stem extension) and with temperature gauge
- G. without temperature gauge
- H. with temperature gauge

Flowcal+ with PEX Expansion tailpiece

- I. with 290031 valve on inlet with stem extension 290030 valve on outlet
- J. with 290030 valve on inlet and outlet, with temperature gauge
- K. without temperature gauge
- L. with temperature gauge

Flowcal+ with PEX Crimp tailpiece

- M. with 290030 valve on inlet and outlet
- N. with 290031 valve on inlet with stem extension
- O. without temperature gauge
- P. with temperature gauge

Flowcal+ with MNPT tailpiece

- Q. with 290031 valve on inlet with stem extension
- R. with 290030 valve on inlet, with temperature gauge
- S. without temperature gauge
- T. with temperature gauge

## Project Behavior

One way to place a Caleffi FlowCal+ 128AFC and FlowCal 128AF is to go to the Systems Tab on the Revit ribbon and navigate to the Component button with Place a component fly-out selected.

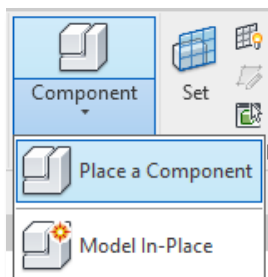


Figure 4 - Systems Tab > Component > Place a Component

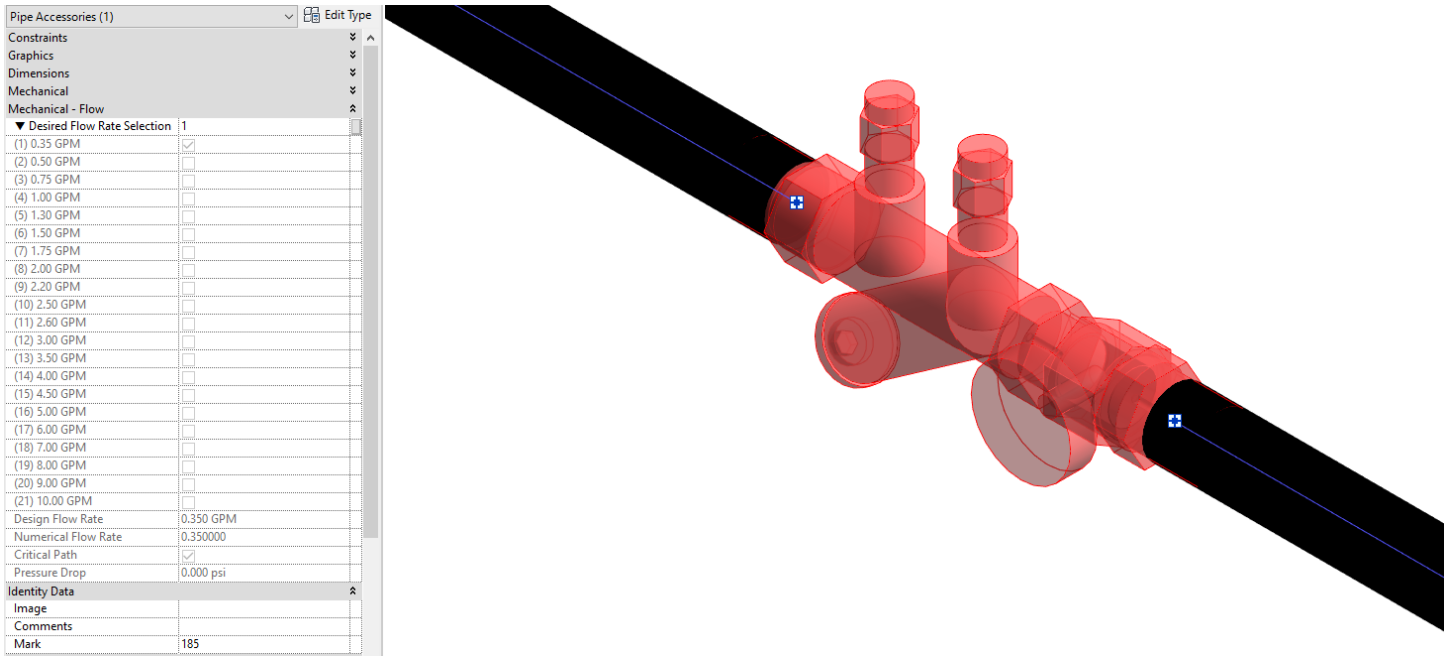


Figure 5 – The Caleffi FlowCal+ 128AFC and FlowCal 128AF families can be found under pipe accessories in the project browser and placed directly onto pipe of the same size. Shown here is a flow rate selection of “1,” which yields 0.35 GPM, as well as selections for isolation valves/stem extensions. Two options are available for Caleffi 128 FlowCal+, one with temperature gauge and other without temperature gauge

## Schedule Creation

Within the type and instance properties dialogues, the Revit user will find useful information for scheduling purposes such as Type, Part Description, Part Number/Model, Family Version, Manufacturer, Series, & Product Page URL. The resulting Pipe Accessories schedule in your project will show counts/quantities of the Caleffi FlowCal+ 128AFC and FlowCal 128AF as well as separate quantities/counts of any separately purchased accessory products that do not come in box with the Caleffi FlowCal+ 128AFC and FlowCal 128AF.